

WHAT IS CLAIMED IS:

Suba! 1. A method for displaying an electronic program guide to a viewer, the method comprising:

displaying multiple channel identifiers on a display;

5 displaying multiple time slot identifiers on the display;

displaying multiple program titles on the display, each program title located in a display area corresponding to the displayed channel identifier of the channel carrying the program and the displayed time slot identifier corresponding to the time slot of the program;

10 fixing a program selection area corresponding to a predefined selection region of the display; and

scrolling the program titles on the display in response to viewer requests, thereby changing the program corresponding to the program selection area.

2. The method of claim 1, wherein fixing a program selection area comprises
15 bounding the program selection area from movement corresponding to one display dimension, while allowing the program selection area to move in the other display dimension.

3. The method of claim 1, further comprising communicating the location of the selection region to the viewer by highlighting at least one of the time slot identifier and the
20 channel identifier aligned with the selection region.

4. The method of claim 1, wherein scrolling comprises moving the display contents to give the appearance of fluid motion.

25 5. The method of claim 1, wherein scrolling is accompanied by a visual scrolling

cue.

6. The method of claim 1, further comprising displaying program details for the program appearing in the selection region in a program details area of the display, and
5 updating the program details when a different program title is scrolled into the selection region.

7. The method of claim 6, wherein the program details are simultaneously displayed for multiple programs corresponding to the displayed channel identifier of the program
10 appearing in the selection region, the program details for each one of the multiple programs displayed in a section of the program details area corresponding to that program's time slot.

8. The method of claim 7, wherein the selection region and the program display area appear as a single area.
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9. The method of claim 8, wherein the single area is approximately centered in one dimension of the display.

10. The method of claim 6, wherein displaying multiple program titles comprises
20 displaying the program titles in bounded display areas resembling a three-dimensional stack of file tabs, and scrolling the program titles comprises manipulating the stack to create the appearance of the display of file contents for a file tab when the file tab is scrolled into the selection region.

25 11. The method of claim 10, wherein the width and position of a file tab correspond to

the run-time and start time of the program whose title is displayed in the file tab.

12. The method of claim 6, wherein displaying multiple program titles comprises displaying the program titles in bounded display areas resembling sectors on the rim of a wheel, and scrolling the program titles comprises manipulating the wheel to create the appearance of wheel rotation.

13. The method of claim 1, wherein displaying multiple program titles comprises displaying the program titles in bounded display areas resembling sectors on the rim of a wheel, and scrolling the program titles comprises manipulating the wheel to create the appearance of wheel rotation.

14. An electronic program guide display system comprising:

- user control means for issuing program guide navigation commands including up, down, left, and right step commands;
- a system memory to store schedule information;
- a processor to store and retrieve schedule information to and from the system memory and format the retrieved information, the processor associating a fixed program selection area with information, contained in the retrieved schedule information, about a specific program, and responding to at least one of the program guide navigation commands in one operational mode by scrolling the formatted information such that information about a different specific program corresponds to the fixed program selection area; and
- a video display generator to receive the formatted information from the processor and output a video-compatible electronic programming schedule display.

15. The electronic program guide display system of claim 14, wherein the user control means comprises:

a remote control having manually operable controls for up, down, left, and right step commands, the remote control generating a signal corresponding to the operation of each control; and

a detector to receive signals from the remote control and provide indications of these signals to the processor.

16. The electronic program guide display system of claim 14, further comprising a tuner to receive television signals, extract broadcast schedule information from the television signals, and supply the extracted broadcast schedule information to the processor.

17. The electronic program guide display system of claim 14, incorporated in a television tuner.

18. The electronic program guide display system of claim 14, incorporated in a television receiver.

19. The electronic program guide display system of claim 14, incorporated in a video recorder.

20. An article of manufacture comprising a computer-readable medium containing an EPG program, the EPG program causing a processor to execute:

a program schedule information manager to store and retrieve program schedule information;

a display scroll controller to respond to externally-generated program guide step navigation commands by calculating an updated viewable subset of the program schedule information; and

5 a program schedule information formatter to format the viewable subset of the program schedule information for display

21. The article of manufacture of claim 20, wherein the program schedule information formatter formats the viewable subset of the program schedule information as a bitmap.

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